

AI
cont

1

mold in the use position to provide the cyclical transfer of the lower mold to the lower mold support assembly.

3. (Amended) Apparatus for forming glass sheets as in claim 2 further comprising horizontal positioners that cooperate with the rollers to support and guide the lower mold shuttle during the cyclical movement of the lower mold between the idle and use positions.

A2

10. (Amended) Apparatus for forming glass sheets as in claim 1 wherein the lower mold shuttle includes a lock that secures the lower mold against movement on the lower mold shuttle along its direction of travel during the cyclical movement between the idle and use positions.

A3

13. (Amended) Apparatus for forming glass sheets as in claim 1 further including a quench station including lower and upper quench modules for supplying a quench gas, and a quench shuttle that supports and cyclically moves a quench ring between: (a) a transfer position below the upper mold in the heated chamber where the quench ring is movable horizontally on the quench shuttle as necessary into alignment with the upper mold upon downward movement of the upper mold to deposit a formed glass sheet supported thereby onto the quench ring; and (b) a quench position between the lower and upper quench modules to provide quenching of the formed glass sheet on the quench ring.

B1
A4

16. (Amended) Apparatus for forming glass sheets comprising:
 a housing having a heated chamber;
 an upper mold supported within the heated chamber for cyclical vertical movement between an upper position and a lower position;
 a lower mold for cooperating with the upper mold to provide forming of a heated glass sheet;

a lower mold shuttle that supports the lower mold for cyclical movement between an idle position horizontally spaced from the upper mold and a use position below the upper mold;

a lower mold support assembly to which the lower mold is cyclically transferred from the lower mold shuttle in the use position to provide support thereof while permitting horizontal movement of the lower mold on the lower mold shuttle;

alignment guides that cooperate to move the lower mold horizontally on the lower mold support as necessary into alignment with the upper mold upon each cycle of downward movement of the upper mold to the lower position to provide the glass sheet forming; and

a quench station including lower and upper quench modules for supplying a quench gas, and a quench shuttle that supports and cyclically moves a quench ring between: (a) a transfer position below the upper mold in the heated chamber where the quench ring is movable horizontally on the quench shuttle as necessary into alignment with the upper mold upon downward movement of the upper mold to deposit a formed glass sheet supported thereby onto the quench ring; and (b) a quench position between the lower and upper quench modules to provide quenching of the formed glass sheet on the quench ring.

✓
Cancel claims 17-21.

In The Abstract

Page 55, line 8, after "for" and before "movement" insert --cyclical--.

Page 55, line 12, after "is" and before "transferred" insert --cyclically--.